

Product datasheet for **MR229236**

Lsp1 (NM_001271508) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsp1 (NM_001271508) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lsp1
Synonyms:	Lsp-1; p50; pp52; WP34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229236 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGGCCCCGACTCCTGAGGAGAAATGCTAGCAAACGGGGCCTGGAGAAGCTGCTGAGGCTCACAA
CTCAGTGGAGAGAAGAAGACGAGGAAGAGGCTGCCGTGAGCAGCGTCAACGGGAGCGAGAGAGGCAGCT
ACAGGACCAGGACAAAGATAAAGAAGATGATGGTGGCCATTCCTGGAACAGCCAGGACAGCAGACTC
ATCAGCCTGAAGTCTCTGAACTGGATGAAGATGAGGGTTTTGGTACTGGTCCAAAAGCCGGAGCCAC
GGCAGCAATTCTGGGGAATGAGGGGACTGCAGAAGGGACTGAACCTCTCAAAGCGAGAGACCAGAGGA
GAAACAAACAGAGGAGAGTTCTACCAAGCCAAAGTCCACTTGGAGGAGTCAAACCTGAGCTACAGGGAG
CCCGATCCAGAGGATGCTGTTGGGGTTCTGGGGAGGCGGAAGAGGTGAGGACCCAGCCCTTTGGCCT
TAGAAGACACCGTTGAGCTGAGTTCACCTCCCCTGAGCCCTACCACAACTGGCTGATAGGACCGAGTC
CCTGAACCGCTCCATTAAGAGCAACAGTGTGAAGAAGTCTCAACCAACCTTGCCATTTCCACAATT
GATGAACGCTGCAGCAGTATACCCAGGCCACTGAGTCTTCTGGCCGAACCTAAGCTGTCCCGCCAGC
CCTCCATAGAGCTGCCAGCATGGCCGTAGCCAGTACCAAGACTCTTTGGGAAACAGGAGAAGTGCAGAG
TCAGTCTGCTTCTAAGACACCCCTCCTGCCAGGATATAGTAGCTGGAGACATGAGCAAGAAAAGTCTGTGG
GAGCAGAAAGGAGGCTCCAAGATCTCATCCACCATCAAGAGCACCCCATCTGAAAAGCGGTACAAGTTCCG
TGCCACTGGACATGGGAAGTACGAGAAAAGTACTTGTGGATGAGGGCTCAGCACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229236 protein sequence
 Red=Cloning site Green=Tags(s)

MNGPALLRRNASKRGLEKLLRLTTQWREEDEEEAAREQQRERERQLQDQDKEDDGGHSLEQPGQOTL
 ISLKSSSELDDEDEFGDWSQKPEPRQQFWGNEGTAEGTEPSQSERPEEKQTEESSHQAKVHLEESNLSYRE
 PDPEDAVGGSGEAEVTRTPSPLALEDTVLSSPPLSPTTKLADRTESLNRSIKKSNVKKSQPTLPISTI
 DERLQQYTQATESSGRTPKLSRQPSIELPSMAVASTKTLWETGEVQSQSASKTPSCQDIVAGDMSKSLW
 EQKGGSKISSTIKSTPSGKRYKFVATGHGKYEVLVDEGSAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271508

ORF Size: 969 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001271508.1](#), [NP_001258437.1](#)

RefSeq Size: 2079 bp

RefSeq ORF: 969 bp

Locus ID: 16985

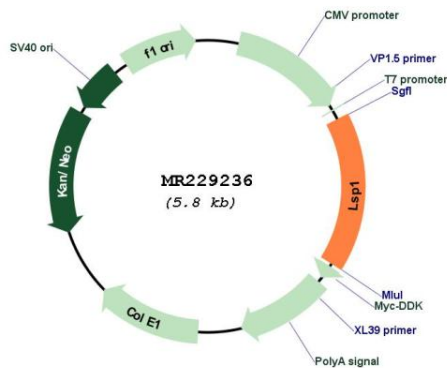
UniProt ID: [P19973](#)

Cytogenetics: 7 87.93 cM

MW: 35.8 kDa

Gene Summary: May play a role in mediating neutrophil activation and chemotaxis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229236